

Appl. No.: 10/690,793

Amdt. dated: 04/18/2008

Reply to Office action of: 03/18/2008

#### REMARKS / ARGUMENTS

In the Office action of March 18, 2008, the specification and claims "66," 1, 16 and 31 were objected to and claims 1-45 were rejected. The applicants request amendment of the application as indicated herein, continued examination and withdrawal of the objection and rejection.

The abstract stands objected to as insufficiently descriptive to understand the invention and amendment of the abstract is required by the Office action. To advance the prosecution of the application, the applicants request amendment of the abstract as indicated above and submit that, as amended, the nature and gist of the technical disclosure can be ascertained as required by 37 CFR 1.72. The applicants request withdrawal of the objection.

The specification stands objected to because it does not include a "summary of the invention." The applicants respectfully submit that neither 37 CFR 1.71 nor 37 CFR 1.77(b), which states that a "brief summary of the invention" "should be included," requires a summary. However, the Office action requires amendment of the specification to add a "brief summary of the invention" and to advance the prosecution of the application and with the understanding that the brief summary of the invention will not be used to interpret the claims, the applicants submit the above "brief summary" for addition to the specification. The applicants request withdrawal of the objection to the specification.

Claim "66" was objected to as incorrectly numbered. The applicants request amendment of the claim, as indicated above, to replace "66" with -36 - to correct a typographical error.

Claim 31 was objected to because "(c)" in line 12 should be "(d)." The applicants request amendment of claim 31 as indicated above to replace "(c)" with -(d)--.

Claims 1, 16, and 31 stand objected to because the claimed "systems" are software and not incorporated in any hardware or storage medium. The applicants request amendment of claims 1, 16 and 31, as indicated above, to recite a computer system comprising a memory including a shared object space. The applicants request withdrawal of the objections to the claims.

Claims 1-5, 8-10, 12-13, 16-20, 23-25, 27-28, 31-35, 38-40, 42 and 43 stand rejected under 35 U.S.C. 103(a) as unpatentable over Sorrentino et al., US Patent No. 7080060, (Sorrentino) and Veselov, US Patent No. 7131120 (Veselov). The applicants request amendment of claims 1, 16 and 31 as indicated above. With respect to claims 1 and 16, the

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Office action asserts that Sorrentino teaches the invention substantially as claimed including a listener that is associated with a second application running in a second machine and listening for an event in an object that is caused by an application. The applicants request amendment of claims 1 and 16 to clarify that the listener is listening for an event in the shared object and notifying a second application when an event is caused by a first application. The applicants respectfully submit that the listener of Sorrentino receives a data access message from an application service and the communicates only with the requesting service (col. 3, line(s) 1-60). The applicants respectfully submit that while the listener 203 of Sorrentino is responsive to multiple application services requesters (threads) there is no suggestion that the listener monitors the common data object for an event and then notifies an application other than the application causing the event of the occurrence of the event. Moreover, as conceded in the Office action, Sorrentino does not disclose a first application running on a first virtual machine and a shared object associated with a second application running on a second virtual machine and, the applicants submit, Sorrentino does not suggest a listener that notifies an application running in a second virtual machine of an event in a shared object caused by an application running on a first virtual machine. As indicated in the Office action, Veselov teaches plural applications running on respective virtual machines, but, as asserted in the response to the Office action of August 24, 2007, Veselov says nothing about listening for events occurring in shared resources and notifying applications of the occurrence of events in shared objects.

Further with regard to claim 16, the Office action concedes that Sorrentino does not disclose a listener that is able to identify which application caused an event. However, the Office action asserts, Veselov (col. 5, line(s) 1-21) and (col. 8, line(s) 6-17) discloses a listener able to identify which application caused an event. The applicants respectfully submit that Veselov, col. 5, line(s) 1-21, describes methods of transmitting messages with the JAVA Message Service (JMS) which can transmit queries and requests by delivering a message "round robin" to a plurality of "entities "listening" to a message queue." Further, Veselov discloses col. 8, line(s) 6-17, that a request for a shared resource includes a header comprising a requestor ID that identifies the requesting application, but the applicants respectfully submit that Veselov does not disclose that the listener can identify an application, including the requesting application, from the message header and, more particularly, Veselov does not disclose a listener that monitors a shared object and determines the identity of an application that caused an event in the shared

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object. The applicants respectfully submit that neither Sorrentino nor Veselov discloses or suggests a listener that detects an event caused by a first application running on a first virtual machine and notifies a second application running on a second virtual machine of the event nor, as recited in claim 16, a listener that is able to identify which application caused an event in a shared object. The applicants submit, therefore, that claims 1 and 16 are not obvious from the combination of Sorrentino and Veselov and request withdrawal of the rejection of claims 1 and 16.

With respect to claim 31, the applicants request amendment of the claim to recite that the listener listens for an event in the shared object and notifies an application not causing the event of the occurrence of the event. The applicants submit, as indicated above, neither Sorrentino nor Veselov disclose listeners that listen for events in a shared object and notify an application not causing the event of the occurrence of the event. Moreover, the applicants respectfully submit that while Veselov discloses that a request 700 includes a header which includes a requestor ID 704 that identifies the requesting application there is no suggestion that the listeners of Veselov are able to identify an application, including the requesting application, from the header of a request (col. 8, line(s) 6-17) and, more specifically, there is no indication in Veselov that listeners are able to identify an application causing an event from a header of a shared object as recited in claim 31. The applicants submit that claim 31 is not obvious from Sorrentino and Veselov because neither Sorrentino nor Veselov nor the combination thereof teach a listener that is able to identify an application from a header of a shared object nor a listener that listens for an event in a shared object and notifies an application not causing the event of the occurrence of the event. The applicants request withdrawal of the rejection of claim 31.

The applicants submit that claims 2-15, 17-30 and 32-45 are dependent from one of claims 1, 16, and 31 or a claim dependent from one of claims 1, 16 and 31 and each inherits the limitations of the claim(s) from which it respectively depends. Since claims 1, 16 and 31 are not obvious from Sorrentino and Veselov, for the reasons stated above, claims 2-5, 8-10, 12-13, 17-20, 23-25, 27-28, 32-35, 38-40, 42 and 43 are likewise not obvious. Further, since DeMaster, US Patent No. 6,066,181 (DeMaster) and Barinov et al., US Patent application publication no. 2004/0025171 do not obviate the differences between claims 1, 16 and 31 and Sorrentino and Veselov, the applicants respectfully submit that claims 6, 7, 11, 14, 15, 21, 22, 26, 29, 30, 36, 37,

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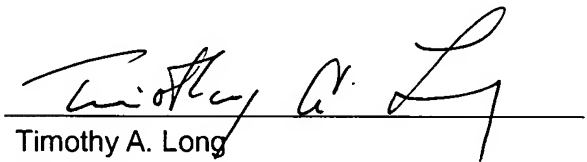
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41, 44, and 45 are not obvious for at least the reasons stated above. The applicants request withdrawal of the rejection of claims 2-15, 17-30 and 32-45.

The applicant respectfully requests that a timely Notice of Allowance be issued in this case. If the Examiner believes that for any reason direct contact with applicant's attorney would advance the prosecution of this application, the Examiner is invited to telephone the undersigned at the number below.

Respectfully submitted,  
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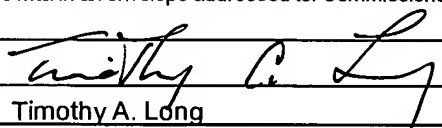
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Signature			
Typed or printed name	Timothy A. Long	Date	04/18/2008